

**Armor All Products Company**

1221 Broadway
Oakland, CA 94612
Tel. (510) 271-7000

Material Safety Data Sheet

I Product: ARMOR ALL INTERIOR PROTECTANT								
Description: MILKY WHITE LIQUID WITH SLIGHT ODOR								
Other Designations	Manufacturer	Emergency Telephone Nos.						
Surface Cleaner and Protectant	Armor All Products Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300						
II Health Hazard Data		III Hazardous Ingredients						
Non-irritating to skin and eyes. Under normal consumer use and conditions, the likelihood of adverse health effects is low. No medical conditions are known to be aggravated by exposure to this product. <u>FIRST AID:</u> <u>EYE CONTACT:</u> Remove contact lenses. Flush eyes thoroughly with plenty of water for 15 minutes. If irritation occurs, get medical attention. <u>SKIN CONTACT:</u> Wash area with soap and water. If irritation occurs, get medical attention. <u>INGESTION:</u> Drink a glassful of water. Get medical attention if effects occur. <u>INHALATION:</u> If breathing problems occur, remove to fresh air.		<table border="1"><thead><tr><th><u>Ingredients</u></th><th><u>Concentration</u></th><th><u>Worker Exposure Limit</u></th></tr></thead><tbody><tr><td>Silicone Emulsion CAS # N/A</td><td>20 - 30%</td><td>Not established</td></tr></tbody></table> None of the ingredients in the product are on the IARC, NTP or OSHA carcinogen list.	<u>Ingredients</u>	<u>Concentration</u>	<u>Worker Exposure Limit</u>	Silicone Emulsion CAS # N/A	20 - 30%	Not established
<u>Ingredients</u>	<u>Concentration</u>	<u>Worker Exposure Limit</u>						
Silicone Emulsion CAS # N/A	20 - 30%	Not established						
IV Special Protection and Precautions		V Transportation and Regulatory Data						
<u>Hygienic Practices:</u> Wash hands with soap and water after use. <u>Engineering Controls:</u> Use general ventilation to minimize exposure to vapor or mists. Work Practices: Avoid eye and skin contact and inhalation of vapor or mist. <u>KEEP OUT OF REACH OF CHILDREN</u>		<u>DOT/IATA/IMO:</u> Not restricted <u>TSCA Status:</u> All ingredients in this product are listed on the TSCA inventory. <u>EPA - SARA Title III/CERCLA:</u> Packaged product is not reportable under Sections 311/312. This product contains no chemicals that are reportable under Sections 311/312, 313 or Section 304/CERCLA.						
VI Spill Procedures/Waste Disposal		VII Reactivity Data						
<u>Spill Procedures:</u> Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed down material. For spills of multiple products, responders should evaluate the MSDS's of the products for incompatibility with this product. <u>Waste Disposal:</u> Dispose of in accordance with all applicable federal, state and local regulations.		Stable under normal use and conditions.						
VIII Fire and Explosion Data		IX Physical Data						
<u>Combustion:</u> Non flammable or explosive. <u>Fire Extinguishing Agents:</u> Water, water fog, dry chemical, foam or carbon dioxide (CO ₂). If product has undergone partial or complete evaporation, may be combustible.		BoilingPoint.....212°F/100° C Specific Gravity(H ₂ O=1).....0.995 @ 25°C Solubility in Water.....Easily soluble pH.....7.2-7.5						

Material Safety Data Sheet

This MSDS complies with 29 CFR 1910.1200 OSHA's Hazard Communication Standard.

PRODUCT: ALL PURPOSE CLEANER (ORANGE)

DATE PREPARED: 01/15/2002

NIC# 5410

DATE UPDATED: NEW

HAZARD RATING

4 - Very High
3 - High
2 - Moderate
1 - Slight
0 - Insignificant

HMIS

2
0
0
A

HAZARD

Health
Flammability
Reactivity
Personal Protection

NFPA

2
0
0
A

SECTION I SOURCE AND EMERGENCY PHONE CONTACTS:

NATIONAL INTERCHEM CORPORATION

2819 W Lake Street, Chicago, IL 60612

EMERGENCY PHONE NO. - (773)638-5100

CHEMTREC: (800)424-9300

SECTION II INGREDIENT INFORMATION

Chemical Identity/Common Name	CAS#	OSHA PEL ACGIH	TWA TLV	Wt %
2-butoxyethanol	000111-76-2	25 ppm	25 ppm	1-2
Surfactant Blend	Proprietary	N.A.	N.A.	1-2
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm.	3-5
Water	7732-18-5	N.A.	N.A.	Balance
Orange Oil	Proprietary	N.E.	N.E.	<2
Dye	Proprietary	N.E.	N.E.	Trace

SECTION III HEALTH HAZARD IDENTIFICATION (Also See Section XI)

ROUTE(S) OF ENTRY - Eye & Ingestion.

EFFECTS OF ACUTE EXPOSURE:

EYE: May cause irritation that may damage eyes.

SKIN: None known. It may cause irritation to sensitive skins.

INGESTION: None known.

INHALATION: Breathing of mist, or spray may cause headache.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: May exacerbate existing dermatitis, will aggravate respiratory diseases.

SECTION IV FIRST AID MEASURES

EYE CONTACT - Flush eyes with of water for 15 minutes, holding lid apart to ensure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. Seek medical attention.

SKIN CONTACT - Wash contaminated areas with water. Remove contaminated clothing and footwear and wash clothing before reuse. Seek medical attention if irritation persist.

INHALATION - Remove to fresh air.

INGESTION - If patient is fully conscious give 2 glasses of water. Do not induce vomiting. If vomiting occurs spontaneously, keep airway clear. Do Not give anything by mouth to an unconscious or convulsing person. Get medical attention.

SECTION V FIRE AND EXPLOSION HAZARD DATA

Flash Point: None

Flammable Limits: LEL: NE. UEL: N.E.

Extinguishing Media: Dry chemical, foam, carbon dioxide.

Special Fire Fighting Procedures: Use National Institute of Occupational Safety and Health (NIOSH) certified gas mask with canister for chlorine or use self-contained breathing apparatus in contained fire areas.

Unusual Fire and Explosion Hazard: None

SECTION VI PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Prevent additional discharge of materials if possible to do without hazard. Dike large spills. Absorbed with inert material. Sweep or scrape up and containerize. Wear/use appropriate protective equipment. Dispose of according to Federal, State and Local regulation.

SECTION VII HANDLING AND STORAGE

PRECAUTIONARY INFORMATION: DANGER: Harmful if swallowed. Avoid contact with eyes.

OTHER HANDLING AND STORAGE CONDITIONS: Store at room temperature.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: No special requirements under normal use conditions.

VENTILATION: General room ventilation adequate.

PROTECTIVE GLOVES: Use rubber gloves.

EYE PROTECTION: Use safety glasses.

OTHER PROTECTIVE MEASURES: No special requirements.

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N.A.

Specific Gravity (Water = 1.0): 1.00

Vapor Pressure: N.E.

Melting Point: N.A.

Vapor Density: N.E.

Solubility in Water: Complete

Evaporation Rate (n Butyl Acetate = 1): N.E

Theoretical VOC: N.A.

pH: 10.5

Freezing Point: N.A.

Percent Volatile by Volume: N.A.

Appearance & Odor: Clear light orange liquid with orange aroma.

SECTION X STABILITY AND REACTIVITY

STABILITY: Stable

STABILITY CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Avoid strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: None

SECTION XI TOXICOLOGY INFORMATION (Also see Section III)

EFFECTS OF CHRONIC EXPOSURE: Prolonged or excessive contact may cause tissue damage to those areas listed in Section III.

SECTION XII ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA — Not Available

SECTION XIII DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INFORMATION: Dispose of in accordance with all Local, State and Federal Regulations.

SECTION IV TRANSPORTATION INFORMATION

US DOT INFORMATION: None.

SECTION XV REGULATORY INFORMATION

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION XVI OTHER INFORMATION

ADDITIONAL INFORMATION: None

EPA REGISTRATION NO.: None

PREPARATION INFORMATION

PREPARED BY: JYC (Refer to Page 1 for contact information.)

NOTE: The information in this document is believed to be correct as of the date issued, and given in good faith, but no warranty expressed or implied is made by NATIONAL INTERCHEM CORPORATION. This information and product are furnished on the condition that the person, company or organization receiving them shall make his own determination as to the suitability of the product for his particular purpose on the condition that he assumes the risk thereof.

Material Safety Data Sheet

This MSDS complies with 29 CFR 1910.1200 OSHA's Hazard Communication Standard.

PRODUCT: TIRE & WHEEL CLEANER
DATE PREPARED: 01/15/2003

NIC# 1152
DATE UPDATED: NEW

HAZARD RATING	HMIS	HAZARD	NFPA
4 - Very High	2	Health	2
3 - High	0	Flammability	0
2 - Moderate	0	Reactivity	0
1 - Slight	A	Personal Protection	A
0 - Insignificant			

SECTION I SOURCE AND EMERGENCY PHONE CONTACTS:

NATIONAL INTERCHEM CORPORATION
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EMERGENCY PHONE NO. - (773)638-5100
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SECTION II INGREDIENT INFORMATION

Chemical Identity/Common Name	CAS#	OSHA PEL ACGIH	TWA TLV	Wt %
2-butoxyethanol	000111-76-2	25 ppm	25 ppm	4-6
Surfactant Blend	Proprietary	N.A.	N.A.	2-4
Stabilizer & water conditioner	Proprietary	N.A.	N.A.	2-4
Water	7732-18-5	N.A.	N.A.	Balance
Fragrance	Proprietary	N.E.	N.E.	Trace
Dye	Proprietary	N.E.	N.E.	Trace

SECTION III HEALTH HAZARD IDENTIFICATION (Also See Section XI)

ROUTE(S) OF ENTRY - Eye & Ingestion.

EFFECTS OF ACUTE EXPOSURE:

EYE: May cause irritation that may damage eyes.

SKIN: None known. It may cause irritation to sensitive skins.

INGESTION: None known.

INHALATION: Breathing of mist, or spray may cause headache.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: May exacerbate existing dermatitis, will aggravate respiratory diseases.

SECTION IV FIRST AID MEASURES

EYE CONTACT - Flush eyes with of water for 15 minutes, holding lid apart to ensure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. Seek medical attention.

SKIN CONTACT - Wash contaminated areas with water. Remove contaminated clothing and footwear and wash clothing before reuse. Seek medical attention if irritation persist.

INHALATION - Remove to fresh air.

INGESTION - If patient is fully conscious give 2 glasses of water. Do not induce vomiting. If vomiting occurs spontaneously, keep airway clear. Do Not give anything by mouth to an unconscious or convulsing person. Get medical attention.

SECTION V FIRE AND EXPLOSION HAZARD DATA

Flash Point: None

Flammable Limits: LEL: NE. UEL: N.E.

Extinguishing Media: Dry chemical, foam, carbon dioxide.

Special Fire Fighting Procedures: Use National Institute of Occupational Safety and Health (NIOSH) certified gas mask with canister for chlorine or use self-contained breathing apparatus in contained fire areas.

Unusual Fire and Explosion Hazard: None

SECTION VI PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Prevent additional discharge of materials if possible to do without hazard. Dike large spills. Absorbed with inert material. Sweep or scrape up and containerize. Wear/use appropriate protective equipment. Dispose of according to Federal, State and Local regulation.

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PRECAUTIONARY INFORMATION: DANGER: Harmful if swallowed. Avoid contact with eyes.

OTHER HANDLING AND STORAGE CONDITIONS: Store at room temperature.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: No special requirements under normal use conditions.

VENTILATION: General room ventilation adequate.

PROTECTIVE GLOVES: Use rubber gloves.

EYE PROTECTION: Use safety glasses.

OTHER PROTECTIVE MEASURES: No special requirements.

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N.A.

Specific Gravity (Water = 1.0): 1.01

Vapor Pressure: N.E.

Melting Point: N.A..

Vapor Density: N.E.

Solubility in Water: Complete

Evaporation Rate (n Butyl Acetate = 1): N.E Theoretical VOC: N.A.

Freezing Point: N.A.

Percent Volatile by Volume: N.A.

pH: 12.0 - 12.5

Appearance & Odor: Clear purple liquid with pleasant aroma.

SECTION X STABILITY AND REACTIVITY

STABILITY: Stable

STABILITY CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Avoid strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: None

SECTION XI TOXICOLOGY INFORMATION (Also see Section III)

EFFECTS OF CHRONIC EXPOSURE: Prolonged or excessive contact may cause tissue damage to those areas listed in Section III.

SECTION XII ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: — Not Available

SECTION XIII DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INFORMATION: Dispose of in accordance with all Local, State and Federal Regulations.

SECTION IV TRANSPORTATION INFORMATION

US DOT INFORMATION: None.

SECTION XV REGULATORY INFORMATION

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION XVI OTHER INFORMATION

ADDITIONAL INFORMATION: None

EPA REGISTRATION NO.: None

PREPARATION INFORMATION

PREPARED BY: JYC (Refer to Page 1 for contact Information.)

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**Armor All Products Company**

1221 Broadway
Oakland, CA 94612
Tel. (510) 271-7000

Material Safety Data Sheet

I Product: ARMOR ALL CAR WASH WIPES														
Description: WIPES MOISTENED WITH CLEAR LIQUID														
Other Designations	Manufacturer	Emergency Telephone Nos.												
	Armor All Products Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300												
II Health Hazard Data		III Hazardous Ingredients												
Non-irritating to skin and eyes. Under normal consumer use and conditions, the likelihood of adverse health effects is low. No medical conditions are known to be aggravated by exposure to this product. FIRST AID: EYE CONTACT: Remove contact lenses. Flush eyes thoroughly with plenty of water for 15 minutes. If irritation occurs, get medical attention. SKIN CONTACT: Wash area with soap and water. If irritation occurs, get medical attention. INGESTION: Drink a glassful of water. Get medical attention if effects occur. INHALATION: If breathing problems occur, remove to fresh air.		<table border="1"><thead><tr><th>Ingredients</th><th>Concentration</th><th>Worker Exposure Limit</th></tr></thead><tbody><tr><td>Isopropanol</td><td>1-5%</td><td>400 ppm TLV-TWA^A</td></tr><tr><td>CAS # 67-63-0</td><td></td><td>400 ppm PEL-TWA^B</td></tr><tr><td></td><td></td><td>500 ppm TLV-STEL^C</td></tr></tbody></table> ^A TLV-TWA=ACGIH Threshold Limit Value-Time Weighted Average ^B TLV-STEL=ACGIH Threshold Limit Value-Short Term Exposure Limit ^C TLV-STEL=ACGIH Threshold Limit Value-Short Term Exposure Limit None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen list.	Ingredients	Concentration	Worker Exposure Limit	Isopropanol	1-5%	400 ppm TLV-TWA ^A	CAS # 67-63-0		400 ppm PEL-TWA ^B			500 ppm TLV-STEL ^C
Ingredients	Concentration	Worker Exposure Limit												
Isopropanol	1-5%	400 ppm TLV-TWA ^A												
CAS # 67-63-0		400 ppm PEL-TWA ^B												
		500 ppm TLV-STEL ^C												
IV Special Protection and Precautions		V Transportation and Regulatory Data												
Hygienic Practices: Wash hands with soap and water after use. Engineering Controls: Use general ventilation to minimize exposure to vapor. Work Practices: Avoid eye and skin contact and prolonged inhalation of vapor. Wear material resistant gloves if handling product for prolonged or repeated periods. KEEP OUT OF REACH OF CHILDREN		DOT/IATA/IMO: Not restricted TSCA Status: All ingredients in this product are listed on the TSCA inventory. EPA - SARA Title III/CERCLA: Packaged product is not reportable under Sections 311/312. Contains no chemicals regulated under: CERLA Sections 311, 312, 313, or 304.												
VI Spill Procedures/Waste Disposal		VII Reactivity Data												
Spill Procedures: Absorb and containerize. Wash residual liquid down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed down material. For spills of multiple products, responders should evaluate the MSDS's of the products for incompatibility with this product. Waste Disposal: Dispose of in accordance with all applicable federal, state and local regulations.		Stable under normal use and conditions.												
VIII Fire and Explosion Data		IX Physical Data												
Combustion: Non flammable or explosive. Fire Extinguishing Agents: Water, water fog, dry chemical, foam or carbon dioxide (CO ₂) fire extinguishers. If product has undergone partial or complete evaporation, may be combustible.		Specific Gravity(H ₂ O=1).....~1.00 Solubility in Water Easily soluble pH.....7.95												